

"Express Mail" mailing label number
EV339728637US

JG04 Rec'd PCT/PTO 91 OCT 2005
EV339728637US

Date of Deposit October 31,2005

PTO-1390 (Rev. 12-2004)

Approved for use through 3/31/2007. OMB 0657-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NO.
10555-112

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

10/555144

INTERNATIONAL APPLICATION NO.
PCT/US04/13464

INTERNATIONAL FILING DATE
30 April 2004

PRIORITY DATE CLAIMED
02 May 2003

TITLE OF INVENTION
PIN PHOTODETECTOR

APPLICANT(S) FOR DO/EO/US

Cheng C. Ko and Barry Levine

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

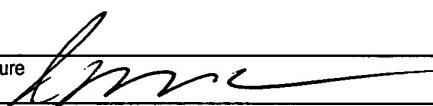
1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371
2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371
3. This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English translation of the International Application into English (35 U.S.C. 371(c)(2)).
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)) and/or amendments under Article 34.

Items 11 to 20 Below concern other document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: Return Post card.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 12 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JC20 Rec'd PTO 31 OCT 2009

U.S. APPLICATION NO. If known, See 37 CFR 1.150) 10555244	INTERNATIONAL APPLICATION NO. PCT/US04/13464	ATTORNEY'S DOCKET NO. 10555-112																								
21. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS PTO USE ONLY																								
<input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee \$200.00 <input checked="" type="checkbox"/> c) Search Fee..... \$500.00																										
TOTAL OF ABOVE CALCULATIONS		\$1000.00																								
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$1000																								
<table border="1"> <thead> <tr> <th>Claims</th> <th>Number Filed</th> <th>Number Extra</th> <th>Rate</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>26- 20 =</td> <td>6</td> <td>x \$ 50.00</td> </tr> <tr> <td>Independent Claims</td> <td>2- 3 =</td> <td></td> <td>x \$ 200.00</td> </tr> <tr> <td>Multiple dependent claim(s) if Applicable</td> <td></td> <td></td> <td>+ \$360.00</td> </tr> <tr> <td colspan="3"></td> <td>TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="3"></td> <td>\$</td> </tr> </tbody> </table>		Claims	Number Filed	Number Extra	Rate	Total Claims	26- 20 =	6	x \$ 50.00	Independent Claims	2- 3 =		x \$ 200.00	Multiple dependent claim(s) if Applicable			+ \$360.00				TOTAL OF ABOVE CALCULATIONS =				\$	
Claims	Number Filed	Number Extra	Rate																							
Total Claims	26- 20 =	6	x \$ 50.00																							
Independent Claims	2- 3 =		x \$ 200.00																							
Multiple dependent claim(s) if Applicable			+ \$360.00																							
			TOTAL OF ABOVE CALCULATIONS =																							
			\$																							
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by $\frac{1}{2}$. <table border="1"> <thead> <tr> <th colspan="2">SUBTOTAL =</th> </tr> </thead> <tbody> <tr> <td colspan="2">\$</td> </tr> </tbody> </table>		SUBTOTAL =		\$																						
SUBTOTAL =																										
\$																										
Processing fee of \$130.00 for furnishing the English translation later than the <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). <table border="1"> <thead> <tr> <th colspan="2">TOTAL NATIONAL FEE=</th> </tr> </thead> <tbody> <tr> <td colspan="2">\$1300</td> </tr> </tbody> </table>		TOTAL NATIONAL FEE=		\$1300																						
TOTAL NATIONAL FEE=																										
\$1300																										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property + <table border="1"> <thead> <tr> <th colspan="2">TOTAL FEES ENCLOSED=</th> </tr> </thead> <tbody> <tr> <td colspan="2">\$1300</td> </tr> </tbody> </table>		TOTAL FEES ENCLOSED=		\$1300																						
TOTAL FEES ENCLOSED=																										
\$1300																										
		Amount to be refunded \$																								
		charged \$1300																								
a. <input type="checkbox"/>	A check in the amount of \$0.00 to cover the above fees is enclosed.																									
b. <input checked="" type="checkbox"/>	Please charge my Deposit Account No. 23-1925 in the amount of \$1300.00 to cover the above fees. A duplicate copy of this sheet is enclosed.																									
c. <input checked="" type="checkbox"/>	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.																									
d. <input type="checkbox"/>	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																									
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																										
Send All Correspondence to: Brinks Hofer Gilson & Lione P.O. Box 10395 Chicago, IL 60610		 Signature Name John M. Card Registration Number 48,423																								